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Patent Plaques



JP63105962A2: MANUFACTURE OF THIN FILM OF SOLID ELECTROLYTE

Country: JP Japan

Kind:

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Abstract:

Purpose: To form a thin film of solid electrolyte having superior ionic conductivity on a substrate, by subjecting a mixture consisting of at least one kind among RbCl, RbI, KCl, and KI, CuCl, and CuI to heating and evaporation as an evaporation source on a pure-copper plate.

Constitution: Pellets composed of a mixture of at least one kind among RbCl, RbI, KCl, and KI, CuCl, and CuI are placed in an ~~anark~~ like boat made of high-purity copper in a vacuum tank, and the pure-copper boat is electrified and heated. Then the pellets in the boat are melted and evaporated, so that an Rb(K)Cl-CuCl-CuI-type C⁺-ion conductive film is vapor-deposited on a glass substrate disposed in a position opposite to the boat, which is subjected to heat treatment in an Ar air flow at 130°C for 3hr so as to be formed into the thin film of solid electrolyte excellent in ionic conductivity.
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Other Abstract Info:

DERABS C88-170164 DERC88-170164

Foreign References:

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